



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**  
3 **Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa12ATEX0060**

4 Equipment or Protective System: **TX6386 and TX6387 Methane Monitor**

5 Manufacturer: **Trolex Ltd.**

6 Address: **Stockport, SK7 5DY**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **12(C)0071**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012 EN 60079-11:2012**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**⊕ I M1 Ex ia I Ma (Ta = -20°C to +55°C)**

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. **1159**

Project File No. **12/0071**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**R S SINCLAIR**  
DIRECTOR  
On behalf of  
Baseefa

**Baseefa**  
Rockhead Business Park, Staden Lane,  
Buxton, Derbyshire SK17 9RZ  
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601  
e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

13

## Schedule

14

Certificate Number Baseefa12ATEX0060

### 15 Description of Equipment or Protective System

The Methane Monitor has two models:-

- TX6387 - fixed model with large 100mm display and remote sensing head.
- TX6386 - fixed model with 20mm display and fixed or remote sensing head.

The TX6387 has a S/S enclosure with a glass window. A large LED display is on the front panel. At the bottom there are four M20 cable entries used by the supply cable and cable to the remote sensing head.

The TX6386 has a plastic enclosure. An LED display is on the front panel. At the bottom there are two M20 cable entries used by the supply cable and connection to the fixed or remote sensing head.

The equipment is powered by an external intrinsically safe 12V nominal power supply.

#### Power Input Terminals T1 & T2

$$U_i = 14.4V$$

$$C_i = 0$$

$$L_i = 0$$

#### Relay Output T3, T4, T5 & T6

$$U_i = 30V$$

$$C_i = 0$$

$$L_i = 0$$

$$U_o = 0$$

### 16 Report Number

12(C)0071

### 17 Specific Conditions of Use

None

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
P5559.03	1 & 2	C	19/03/12	Methane Monitor P5559 Output Schematic
P5559.01	1 & 2	A07	19/10/11	P5559 Display Schematic Methane Monitor
P5559.05	1 & 2	A02	29.05.09	P5559 Large Display Schematic Methane Monitor
P5559.04	1	C	28.08.12	PCB, Output
P5559.30	1	B	28.08.12	PCB, Display



---

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
P5559.06	1	C	28.08.12	PCB, Display - Large
P5559-12	1	D	28/08/12	General Arrangement (TX6386)
P5559-12-01	1	D	28/08/12	General Arrangement (TX6387)
P5093.27	1	C	21.1.97	Reed Relay
P5559.29	1	B	28.08.12	Certification Label Details